Patent claims

1. Method for exchanging information between a central information unit (1) on the one hand and a person and/or an object on the other, in which an identification signal is transmitted via short-range radio from a radio module (5) to a receiver unit (4) and from thence to the information unit (1), wherein the information unit (1) processes the identification signal and generates an output signal which is then transmitted to a corresponding output unit.

2. Method according to claim 1, characterized in that in addition to the identification signal an inquiry signal is transmitted from the radio module (5) to the receiver unit (4), and is transferred to the information unit (1).

3. Method according to claim 2, characterized in that the information unit (1) processes the identification signal and the inquiry signal and generates an output signal which is then transferred to a corresponding output unit.

4. Method according to one of the preceding claims, characterized in that the output signal is issued by a transmitter unit (4) as the output unit, wherein a corresponding signal is transmitted to the radio module.

5. Method according to one of claims 1 to 3, characterized in that the output signal is issued via a signal processing apparatus as an output unit.

6. Method according to one of the preceding claims, characterized in that the identification signal is automatically transmitted from the radio module (5) to the receiver unit (4) as soon as the radio module (5) is located in the area (8) of the receiver unit (4).

7. Method for exchanging information according to one of the preceding claims, especially for identifying a person and/or an object for access into a secured access area (7), in

which an identification signal is transmitted via short-range radio from a radio module (5) to a stationary receiver unit (4) positioned in the entrance area (8), and to the information unit (1), wherein the information unit (1) checks the transmitted identification signal and upon successful examination approves access.

8. Method according to claim 7, characterized in that an examination of the transmitted identification signal is implemented in a comparison test between an identification previously stored by the information unit (1) and the transmitted identification signal, wherein access is approved based upon the identity of the transmitted identification signal and the stored identification.

9. Method according to one of claims 7 or 8, characterized in that this is also conducted when a person and/or object leaves the secured access area.

10. Method according to one of claims 7 through 9, characterized in that, following a successful identification of the person and/or object, additional information is transferred from the information unit (1) to the radio module (5).

11. Method according to claim 10, characterized in that the transmission of additional information takes place only at the request of the person and/or object.

12. Method according to one of the preceding claims, characterized in that the short-range radio between the radio module (5) and the receiver unit (4) and/or the transmitter unit (4) is implemented via Bluetooth standard.

13. Device for implementing the method according to one of claims 1 through 12, characterized by a receiver unit (4) and a radio module (5) that is movable relative to this receiver unit (4), wherein the receiver unit (4) and the radio module (5) are connected to one another in terms of communications technology via short-range radio.

14. Device according to claim 13, characterized in that the receiver unit (4) is connected to the information unit (1) in terms of communications technology, wherein the communication connection is a LAN network and/or a fixed network.

15. Device according to one of claims 13 or 14, characterized in that the radio module (5) is a Bluetooth radio module.

16. Device according to one of claims 13 through 15, characterized in that a transmitter unit (4) and/or a signal processing apparatus is provided as the output unit.

17. Device for implementing the method according to one of claims 1 through 12, especially for identifying a person and/or object for access into a secured access area, characterized in that a stationary receiver unit (4) is provided in the area of the entrance (8) to the secured access area (7) which is connected to an information unit via communications technology.

18. Device according to claim 17, characterized in that a stationary receiver unit (4) is provided in the exit (9) area for the secured access area (7) which is connected via communications technology to a central information unit (1).

19. Device according to one of claims 17 or 18, characterized in that a transmitter unit (4) connected to the information unit (1) via communications technology, is provided in the entrance (8) area and electively also in the exit (9) area.

20. Device according to one of claims 17 through 19, characterized in that the radio module (5) comprises both a transmitter and a receiver.

21. Device according to one of claims 17 through 20, characterized in that the communications technological connection between the receiver unit (4) and/or the transmitter unit (4) on the one hand and the central computer unit (1) on the other is a LAN network or a fixed network.

22. Device according to one of claims 17 though 21, characterized in that the radio module (5) is a radio module based upon the Bluetooth standard.

23. Device according to one of claims 17 through 22, characterized in that the radio module is a separate, transportable radio module.

24. Device according to one of claims 17 through 23, characterized in that the radio module is connected to a communications unit, preferably a display, which displays additional information transferred by the information unit (1).

25. Device according to one of claims 17 through 24, characterized in that the receiver unit (4) and the transmitter unit (4) are combined and form a Bluetooth-LAN access point.

26. Device according to one of claims 17 through 25, characterized in that the secured access area (7) is a parking garage or a parking lot.

Summary

The invention concerns a method and a process for exchanging information between a central information unit on the one hand and a person and/or an object on the other hand. In order to enable a rapid exchange of information that is simple to implement, and moreover to furnish a method that can be cost-effectively and easily incorporated into already existing communications systems, a method is proposed with the invention in which an identification signal is transmitted via short-range radio from a radio module (5) to a receiver unit (4) and from there to the information unit (1), wherein the information unit (1) processes said identification signal and generates an output signal, which is then transferred to a corresponding output unit.
(Fig. 1)

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